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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,661	03/29/2004	Patricia J. Hoover	P18396	3395
7590 12/05/2005		EXAMINER		
Anthony M. Martinez Intel Corporation			PHAN, TRONG Q	
2200 Mission College Blvd.			ART UNIT	PAPER NUMBER
Santa Clara, CA 95052			2827	

DATE MAILED: 12/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/812,661	HOOVER ET AL.				
Office Action Summary	Examiner	Art Unit				
	TRONG PHAN	2827				
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet wi	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNION (136(a). In no event, however, may a rewill apply and will expire SIX (6) MONe, cause the application to become AB	CATION. eply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 29 N	Responsive to communication(s) filed on 29 March 2004.					
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.					
, —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-43</u> is/are pending in the application	1.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-43</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers		·				
9)☐ The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) ☐ The oath or declaration is objected to by the E	xaminer. Note the attached	d Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list	t of the certified copies not	received.				
Attachment(s)	_					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date.						
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>1105</u>. 		nformal Patent Application (PTO-152)				

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DETAILED ACTION

Drawings

- 1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 0ns, 25ns, 50ns, 75ns and 100ns in Figs. 2 and 5-6; iWE, iCS_0, iCS_1 and STACKED in Fig. 4; iCS_0 and iCS_1 in Fig. 5; nCS_0 and nCS_1 in Fig. 6. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filling date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
- 2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the features as recited in claims 3-4, 8-9, 14, 16-17, 19, 25, 28, 33-34, 38 and 41-42; the feature "the chip enable signal is not coupled to a chip enable pin of the second memory" as recited in claims 5, 15, 23, 28-29 and 36 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

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Regarding claims 3-5, 14-15, 23, 28-29 and 36, the chip enable signals CS_0 and nCS_1 are provided to both flash memories 120 and 130.

Regarding claims 8-9, 19, 25, 33-34 and 41-42, the volatile memory, the static random access memory (SRAM) or the dynamic random access memory (DRAM) is not shown in the drawings of the present invention only nonvolatile flash memory.

Regarding claim 38, Figs. 1 and 3-4 of the present invention do not show any memory stacked on the processor 110.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Specification

3. The disclosure is objected to because of the following informalities: the specification does not include the SUMMARY OF THE PRESENT INVENTION.

Appropriate correction is required.

Claim Objections

4. Claims 2 and 12-13 are objected to because of the following informalities:

Claim 2, no antecedent basis for "the location and the rising or falling edge".

Claim 12, no antecedent basis for "two signals".

Claim 13, no antecedent basis for "the rising or falling edge".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claim 13 is rejected under 35 U.S.C. 112, first paragraph, as single method claim. See MPEP 2164.08(a).

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

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only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 1-43 are, insofar as understood, rejected under 35 U.S.C. 102(e) as being anticipated by Miura et al., 6,952,368.

Miura et al., 6,952,368, discloses in Fig. 45 a wireless cellular phone system comprising :

processor CPU;

antenna ANT;

memory module MEM which is shown in Fig. 1 comprising:

first volatile memory CHIP3 (DRAM);

second nonvolatile memory CHIP1(FLASH);

wherein:

the write enable signal /WE and the chip select signal /CS are inherently provided from the external processor CPU as well known in the art;

processor CPU can be programmed to assert/deassert the respective the write enable signal /WE and the chip select signal /CS as recited in claims 1-42 as well known in the art;

processor CPU can be included multiplexer circuits for generating the write enable signal /WE and the chip select signal /CS as recited in claims 10 and 30 as well known in the art.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Kaki et al., 6,457,092, Kikuchi, 6,226,202, Lee et al., 6,965,964, Sung et al., 6,868,011, Norman, 5,963,473, and Estakhri et al., 6,262,918.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRONG PHAN whose telephone number is (571) 272-1794. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AMIR ZARABIAN can be reached on (571)272-1852. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRONG PHAN
PRIMARY EXAMINER

phawtrony